No.



200500319

<u> AHIR UNIUHRD SHAMHAS ORAMIERIOA</u>

TO ALL TO WHOM THESE: PRESENTS: SHALL COME:

Mest Bred, TIC

JULICIONS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW. THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY FARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC ENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR ING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE JRPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE R USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT. COMMON

'Santa Fe'

In Costimum Thereof, I have hereunto set my hand and caused the seal of the Flant Inrictu Frotection Office to be affixed at the City of Washington, D.C. this fifth day of July, in the uear two thousand and six.

The process of the pr	REPRODUCE LOCALLY. Include form number and d	ate on all reprod	uctions		Form Approved - OMB No. 0581-0055
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INUMER OF GENERATIONS? INVESTIGATION OF THE OFFICE OFFICE OF THE OFFICE OF THE OFFICE OFFI	d. Exhibit D. Additional Description of the	Variety (Optional)		IF YES, WHICH CLASSES?	☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED
1. Voucher Sample (2,500 visible untreated seeds or, for tuber propagated varieties, verification that its suce culture will be deposited and maintained in an approved public repository) g. Verification that its suce culture will be deposited and maintained in an approved public repository of the United States' (Mail to the Plant Variety Protection Cifice) g. Verification that its suce culture will be deposited and maintained in an approved public repository and that the Plant Variety Protection Cifice) g. Very Very Very Very Very Very Very Very	e. X Exhibit E. Statement of the Basis of the	Owner's Owners	hip		
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FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U.S. OR OTHER COUNTRIES? YES NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.) 25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties. SIGNATURE OF OWNER NAME (Please print or type) Dr. Dan R. Biggerstaff CAPACITY OR TITLE DATE	States* (Mail to the Plant Variety Protect	tion Office)		(If additional explanation is nec	essary, please use the space indicated on the reverse.)
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CAPACITY OR TITLE DATE CAPACITY OR TITLE DATE	Dr. Sid Perry		ĺ	Dr. Dan R. Big	gerstaff
Breeder 03-15-2005 V. P. Research 06-15-2005	 _	DATE			
	Breeder	03	-15-2005	V. P. Research	06-15-2005

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvpindex.htm

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 http://www.ams.usda.gov/lsg/seed.htm.

ITEM

- 19a. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filling a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

2

Exhibit A.

Origin and Breeding History

Santa Fe originated from the cross G1878 x KS84W063-9-39-3, made in Ft Collins, Colorado in the fall of 1993, and advanced through pedigree methodology. G1878 has the pedigree Hawk//Sturdy/Plainsman V. KS84W063-9-39-3 became the variety Jagger. The F1 was increased in the field at Ft Collins in the spring of 1994 and harvested to generate F2 seed. The F2 population was deemed worthy based on early maturity and leaf rust resistance. Individual head selections were randomly made from the population grown in Haven Kansas in 1995. Individual heads were sampled from a selected F3 head-row harvested in Haven in 1996 based on early maturity, leaf rust resistance, and short height. A single F4 head-row was harvested at Haven in 1997 based on early maturity, leaf rust resistance, and short height. An F5 observation plot was selected at Haven in 1998 for advancement based on early maturity, leaf rust resistance, short height, and high test weight. Eight individual heads were randomly selected from this plot. A single F6 purification head-row was selected in 1999 in Ft Collins, Colorado, based on vigor and uniformity. Fifty heads were randomly sampled from this head-row. A single F7 head-row was selected in 2000 in Ft Collins, Colorado based on vigor and uniformity. 50 individual heads were randomly selected from this head-row In 2001, these 50 F8 head-rows were bulk harvested in Ft Collins to generate pre-breeder's seed. In 2002, F9 breeder' seed was produced in Manhattan, Kansas.

Variants which may occur, include later maturing plants at a rate of 0.2%, taller plants at a rate of 0.1%, and shorter, white chaffed plants at a rate of 0.2%. White seed may occur at a rate of 0.2%. The variety has been observed to be uniform and stable since the F9 breeder seed increase, through Foundation seed increase (F10) in 2003, Registered seed (F11) in 2004, and Certified seed production (F12) in 2005.

Exhibit B.

Statement of Distinctness

Santa Fe is most similar to the variety Jagger except that the glume shoulders of Santa Fe are elevated, while the glume shoulders of Jagger are rounded.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to everage 2.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE **SCIENCE AND TECHNOLOGY** PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY

<u> </u>	Wheat (<i>Triticum</i> spp.)
NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
WestBred, LLC	G980039	Santa Fe
ADDRESS (Street and No. or RD No., City, State, Zip Code and Country)	•	FOR OFFICIAL USE ONLY
14604 S. Haven Rd		PVPO NUMBER
Haven, KS 67543	• *	50 60 60 60 60 60 60 60 60 60 60 60 60 60
		200500319
PLEASE READ ALL INSTRUCTIONS CAREFULLY		
Place the appropriate number that describes the varie	tal character of this variety in the boxes below	w. Place a zero in the first box (e.g., 0 9 9 or 0 9)
	· ·	nould be based on a minimum of 100 plants. Comparative data
should be determined from varieties entered in the saidesignate system used: RHS		ecognized color standard may be used to determine plant colors;
your application.	Flease allswei all ques	tions for your variety; lack of response may delay progress of
1. KIND:	2. VERNALIZA	ATION:
1 = Common 2 = Durum		= Spring = Winter
3 = Club		= Viliter = Other (Specify)
4 = Other (Specify)		
3. COLEOPTILE ANTHOCYANIN:	4. JUVENILE I	PLANT GROWTH:
1 = Absent 2 = Present	2	1 = Prostrate 2 = Semi-erect 3 = Erect
5. PLANT COLOR: (boot stage)	6. FLAG LEAF	: (boot stage)
1 = Yellow-Green 137C	1:	= Erect 2 = Recurved
3 = Blue-Green	2 1:	= Not Twisted 2 = Twisted
	1 :	= Wax Absent 2 = Wax Present
7. EAR EMERGENCE:		
125 Number of Days (Average)		
02 Number of Days Earlier Than *_	KS2137	
Same As * _	Karl 92	
O / Number of Days Later Than *_	Jagger	
	lative to a PVPO-Approved Commercial Vari	ety Grown in the Same Trial
8. ANTHER COLOR:		

2 = Purple

1 = Yellow

de
Jer -
unigi or

9. PLANT HEIGHT: (from soil to top of head, excluding	awns
---	------

B	φ	3
_)	

cm (Average)



02

cm Taller Than

KS2145

Same As

Karl 92

cm Shorter Than

Jagger

10. STEM:

A. ANTHOCYANIN



1 = Absent

2 = Present





1 = Absent

2 = Present

C. HAIRINESS (last internode of rachis)



1 = Absent

2 = Present

D. INTERNODE

1 = Hollow

2 = Semi-solid

3 = Solid

Number of Nodes

E. PEDUNCLE

1 = Erect 2 = Recurved

3 = Semi-erect

cm Length

F. AURICLE

1

Anthocyanin:

1 = Absent

2 = Present

1 = Absent

2 = Present

11. HEAD: (At Maturity)

A. DENSITY



1 = Lax

2 = Middense (Laxidense)

3 = Dense

B. SHAPE



1 = Tapering

2 = Strap

3 = Clavate

4 = Other (Specify)

C. CURVATURE

1 = Erect 2 = Inclined

Hair:

3 = Recurved

D. AWNEDNESS



1 = Awnless

2 = Apically Awnletted

3 = Awnletted

4 = Awned

12. GLUMES: (At Maturity)

A. COLOR

Tan 164D with

3

1 = White 2 = Tan

a Grey Brown 199A

 $\frac{1}{3}$ = Other (Specify) $\frac{\text{upper}^{-\frac{1}{2}}}{\text{of glume}}$

B. SHOULDER



1 = Wanting 2 = Oblique

3 = Rounded

4 = Square

6 = Apiculate

5 = Elevated 7 = Other (Specify)



C. SHOULDER WIDTH

1

1 = Narrow

2 = Medium 3 = Wide

D. BEAK

1 = Obtuse

3

2 = Acute

3 = Acuminate

E. BEAK WIDTH

1 = Narrow

2 = Medium 3 = Wide

F. GLUME LENGTH

1 = Short (ca. 7mm)

2 = Medium (ca. 8mm)

3 = Long (ca. 9mm)

G. WIDTH

1 = Narrow (ca. 3mm)

2 = Medium (ca. 3.5mm)

3 = Long (ca. 4mm)

13.	SEE	ED:				
	A.	SHAPE			E. COLOR	
	/	1 = Ovate 2 = Ovat 3 = Elliptical			3 1 = White 2 = Amber 3 = Red 4 = Other (Specify)	_
	В.	CHEEK			F. TEXTURE	
	1	1 = Rounded 2 = Angular			1 = Hard 2 = Soft 3 = Other (Specify)	
	C.	BRUSH			G. PHENOL REACTION (See Instructions)	
[2	1 = Short			1 = Ivory 4 = Dark Brown 2 = Fawn 5 = Black 3 = Light Brown	
	D.	CREASE			H. SEED WEIGHT	
	1	1 = Width 60% or less of Kernel 2 = Width 80% or less of Kernel 3 = Width Nearly as Wide as Kernel			33 g/1000 Seed (Whole number only)	
	Z	1 = Depth 20% or less of Kernel 2 = Depth 35% or less of Kernel 3 = Depth 50% or less of Kernel			I. GERM SIZE 1 = Small 2 = Midsize 3 = Large	
14.	DISE	EASE: PLEASE INDICATE THE SPECIFIC RACE OR	STRAIN	I TE	STED	
	7	(0 = Not Tested 1 = Suscepti			Resistant 3 = Intermediate 4 = Tolerant)	
		Stem Rust (Puccinia gramínis f. sp. tritici)	F	2	Leaf Rust (Puccinia recondita f. sp. tritici)	
	2	Stripe Rust (Puccinia striiformis)	7	<u>0</u>	Loose Smut (<i>Ustilago tritici</i>)	
İ	3	Tan Spot (Pyrenophora tritici-repentis)	Ŀ	의	Flag Smut (<i>Urocystis agropyri</i>)	
	0	Halo Spot (Selenophoma donacis)	[4	<u>o</u>	Common Bunt (Tilletia tritici or T. laevis)	
ļ	3	Septoria nodorum (Glume Blotch)	<u> </u>	<u>o</u>	Dwarf Bunt (Tilletia controversa)	
	의	Septoria avenae (Speckled Leaf Disease)	[Karnal Bunt (Tilletia indica)	
	3	Septoria tritici (Speckled Leaf Blotch)		/	Powdery Mildew (Erysiphe graminis f. sp. tritici)	
Į		Scab (Fusarium spp.)	(0	"Snow Molds"	
[0	"Black Point" (Kernel Smudge)	(0	Common Root Rot (Fusarium, Cochliobolus and Bipolaris spp.)	
	/	Barley Yellow Dwarf Virus (BYDV)	(0	Rhizoctonia Root Rot (Rhizoctonia solani)	
[2	Soilborne Mosaic Virus (SBMV)	C	2	Black Chaff (Xanthomonas campestris pv. translucens).	
	0	Wheat Yellow (Spindle Streak) Mosaic Virus	C	2	Bacterial Leaf Blight (Pseudomonas syringae pv. syringae)	
[3	Wheat Streak Mosaic Virus (WSMV)			Other (Specify)	
		Other (Specify)	[Other (Specify)	
Ī		Other (Specify)	[Other (Specify)	
Ī		Other (Specify)	[Other (Specify)	
15.	NSE	`			3 = Intermediate 4 = Tolerant)	
Г	, 1		SPECIF	Υ B 	IOTYPE (where needed)	
 	=	Hessian Fly (Mayetiola destructor)	Ļ	\dashv	Other (Specify)	
Į.		Stem Sawfly (C <i>ephus</i> spp.)	Ļ	$\frac{1}{2}$	Other (Specify)	-
- [6	ン	Cereal Leaf Beetle (Oulema melanopa)	1		Other (Specify)	

200500319

Exhibit C (Wheat)

15. INSECT: (continued)	0 = Not Tested	1 = Susceptible	2 = Resistant	3 = Intermediate	4 = Tolerant	
		PLEASE S	SPECIFY BIOTYPE	(Where Needed)		
Russian Aphid (D	iuraphis noxia)		Other (Specify)		
/ Greenbug (Schiza	phis graminum)		Other (Specify)		
/ Aphids			Other (Specify)		

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

Exhibit D.

Variety Description for Santa Fe

Santa Fe is a hard red winter wheat variety developed by WestBred LLC of Haven Kansas, and tested as experimental G980039. Santa Fe originated from the cross G1878 x Jagger made in 1993, and was selected through traditional pedigree breeding methods. Pre-Breeders seed was derived from the bulk of 50 F8 head-rows harvested in 2001. Santa Fe is well adapted to the southern Great Plains for grain production.

Santa Fe has semi-erect juvenile growth habit and green leaf color at boot stage. The flag leaf is erect, twisted, and has no waxy bloom. The auricle color is white. Santa Fe has a heading date 1 day later than Jagger. The anthers are yellow, and the internodes are hollow. The stem color at maturity is white. Plant height averages 2.5 cm shorter than Jagger. The spike shape is tapering, the density is mid-dense, and the position at maturity is inclined. Santa Fe is awned, with midlong, brown awns. At maturity, the glumes are long, with elevated shoulders. The glume color is tan with a gray brown upper half. The glume beaks are medium length and acuminate. The seed is red, ovate, and has a medium size brush. The phenol reaction is black brown.

Variants which may occur, include later maturing plants at a rate of 0.2%, taller plants at a rate of 0.1%, and shorter, white chaffed plants at a rate of 0.2%. White seed may occur at a rate of 0.2%. The variety has been observed to be uniform and stable since the F9 breeder seed increase, through Foundation seed increase (F10) in 2003, Registered seed (F11) in 2004, and Certified seed production (F12) in 2005.

Santa Fe is moderately resistant to the current races of leaf rust prevalent in the southern plains, and resistant to the current race of stripe rust. It is resistant to soil borne mosaic virus, moderately resistant to septoria, and moderately resistant to tan spot. It is susceptible to powdery mildew, greenbug, Hessian fly, and Russian wheat aphid.

The milling and baking quality of Santa Fe is acceptable.

300 heads have been retained from breeder's seed plots, which will be used to reconstitute the variety under irrigation in Colorado and maintain a pure seed source. This cycle will be repeated as needed. Seed classes to be recognized include Foundation, Registered, and Certified.

We anticipate certified seed sales in August, 2005.

Application for protection through the Plant Variety Protection Act will be made. The Certification Option will be elected.

Acreages may be published by AOSCA and certifying agencies.

2003 USDA HWWOI	HWWOI Report for the Southern Regional Berfor	Southern	Podional Don	Concerno	mondo Muroca			-	-	-					
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Single Kernel Hardness	s Data						
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North Central Plains	G980039	60.8	11.7	32.4	2.43	63	Hard
Northern High Plains	G980039	59.3	10.5	30.9	2.34	64	Hard
South Central Plains	G980039	60	11,7	31.5	2.42	61	Hard
Southern High Plains	G980039	58.9	10.6	31.4	2.37	57	Hard

U.S. DEPARTMENT OF AGRICULTURE		
AGRICULTURAL MARKETING SERVICE	Application is required in order to det	ermine if a plant variety protection
EVIUDIT E	certificate is to be issued (7 U.S.C. 2	
EXHIBIT E	confidential until the certificate is issu	led (1 U.S.C. 2426).
STATEMENT OF THE BASIS OF OWNERSHIP 1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME
• ,	OR EXPERIMENTAL NUMBER	3. VARIETT NAME
WestBred, LLC	G980039	Santa Fe
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6, FAX (Include area code)
14604 S. Haven Rd	620-465-2675	620-465-2693
Haven, KS 67543	7. PVPO NUMBER	<u> </u>
	4	200500319
	*	400500319
8. Does the applicant own all rights to the variety? Mark an "X" in the	he appropriate block. If no, please expla	in. YES NO
9. Is the applicant (individual or company) a U.S. national or a U.S.	hased company? If no give name of c	ountry. TES NO
o. is the applicable (individual of company) a c.o. Hallonal of a c.o.	based company: " 110, give name or c	
10. Is the applicant the original owner? X YES	NO If no, please answer one	of the following:
a. If the original rights to variety were owned by individual(s), is	(are) the original owner(s) a U.S. Nation	al(s)?
YES	NO If no, give name of count	try
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b. If the original rights to variety were owned by a company(les	s), is (are) the original owner(s) a U.S. ba	sed company?
YES	NO If no, give name of country	ту
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11. Additional explanation on ownership (Trace ownership from orig	inal breeder to current owner. Use the re	everse for extra space if needed):
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Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

- 1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the Instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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